

QLUXDOBAL59925W84LED
DOB AC LED Boards

QLUX DOB



Wattage	25W
Input	120V AC 50/60Hz
CRI	93+
THD	>20%
Max. Case temp.	85°C Max.
CCT Options	2700K - 5000K
Custom CCT	Available
Size	599 x 38mm
Dimming	ELV, TRIAC
Power Factor	0.99
Beam Angle	160°



- Exceeds California Title 24 & JA8 requirements
- AC line voltage driver on board module; no external drivers or transformers required
- High efficiency lumen output: >94 lm/W, TLCI-2012 93
- Smooth dimming with ELV & TRIAC dimmers
- CCT options 2700K - 5000K, Custom
- Optional 0-10V dimming
- 120V, 220 - 240V AC input with optional voltage converter
- LM-80 compliant LEDs

FEATURES

- High color rendering index (CRI) >93
- Tight binning 3 step mac adams ellipses
- Low heat generation, easy thermal management
- L70>60,000 hours
- Extendable

APPLICATIONS

- New or retrofit OEM fixtures
- Indoor or outdoor applications
- Architectural and commercial
- Flush mount and recessed fixtures

AVAILABLE CONFIGURATIONS

Model Number	Input	Wattage	CCT	Lumens	Dimensions
QLUXDOBAL59925W84LED927	120V AC 50/60Hz	25W	2700K	2200lm	599mm (23.6") x 38mm (1.5")
QLUXDOBAL59925W84LED930		25W	3000K	2200lm	
QLUXDOBAL59925W84LED935		25W	3500K	2264lm	
QLUXDOBAL59925W84LED940		25W	4000K	2300lm	
QLUXDOBAL59925W84LED950		25W	5000K	2300lm	

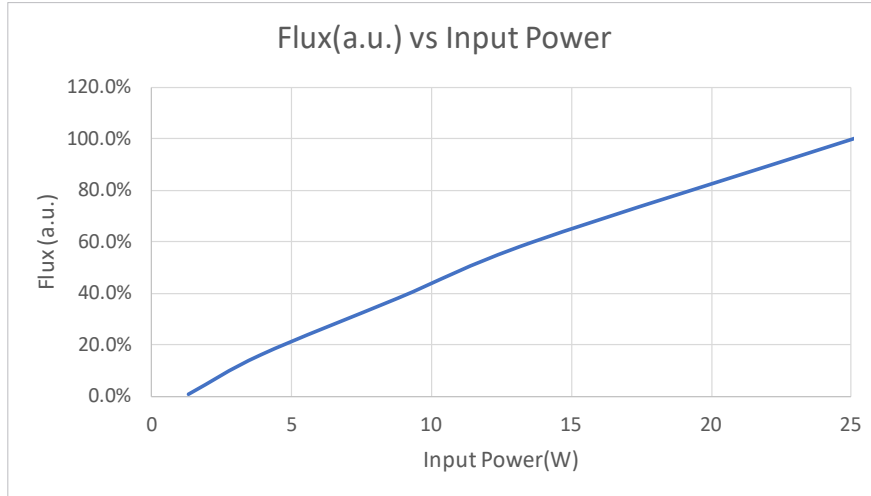
Custom CCT available

(1) Luminous flux and efficiency are typical value, measured by an integrated sphere at 25°C, tolerance: ± 10%;

(2) Ra/CRI is measure with tolerance: ± 2;

(3) Tolerance of power: ± 1W

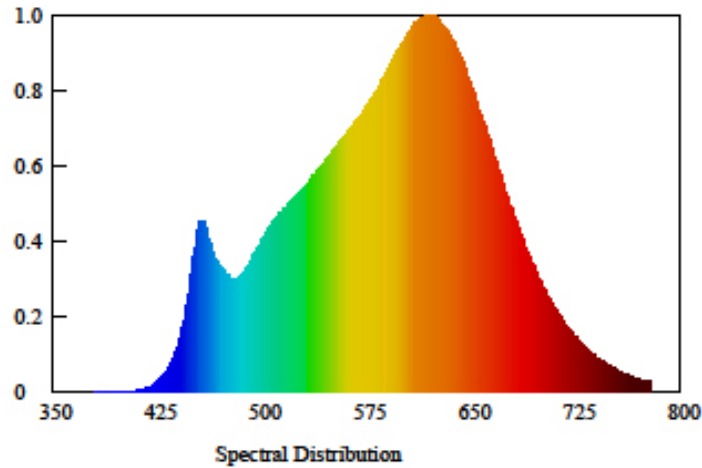
DIMMING CURVES



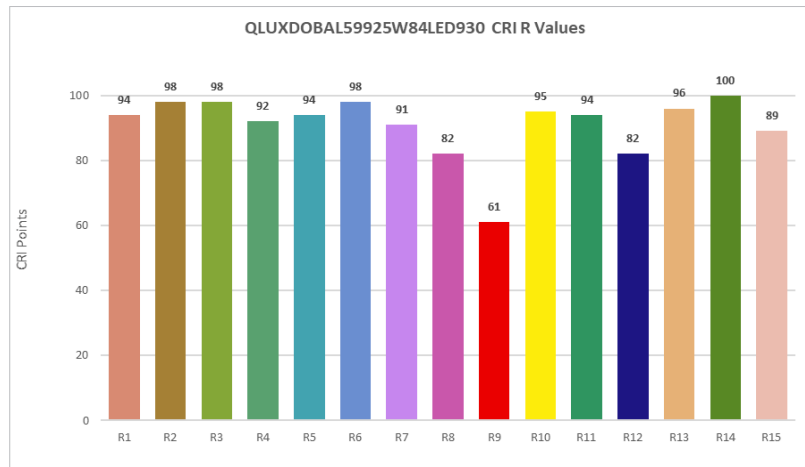
CIE COLORIMETRIC PARAMETERS*

Chromaticity Coordinates	x=0.4289 y=0.3979
CCT	3047K
Peak Wavelength	620 nm
Dominant Wavelength	581 nm
Rendering Index	93.3
Color Ratio	R=43.9%, G=47.4%, B=8.7%
Half Bandwidth	155.6 nm
Color Purity	0.5051
<i>* Test result shown base on 3000K CCT, 93 CRI model</i>	

SPECTRORADIOMETRIC CHARACTERISTICS



CRI TEST



PHOTOMETRIC PARAMETERS*

Luminous Flux	2264.24 lm
Radiant Power	8283 mW
Efficacy	≈93.9 lm/W
* Test result shown base on 3000K CCT, 93 CRI model	

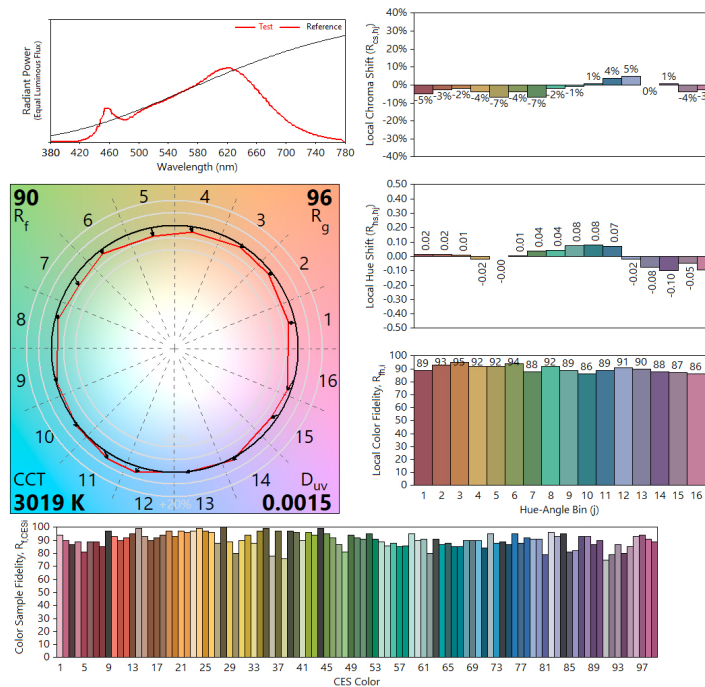
ELECTRIC PARAMETERS*

Voltage	U=120V
Current	I= 0.21A
Power	P=25W
Power Factor	>0.99
* Test result shown base on 3000K CCT, 93 CRI model	

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Parameter	Symbol	Value	Unit
Voltage	V in	132	Vac
Operating Temperature (ta)	---	-35~+50	°C
LED Solder Temperature	Ts	110	°C
Storage Temperature	Tstg	-40~+100	°C
ESD Sensitivity (HBM)	---	±4000	V
Surge	---	2500	Vac

TM30 CHART



MECHANICAL SPECS

